



PTO/SB/21 (01-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>Application Number</b>	10/738,370	
	<b>Filing Date</b>	December 15, 2003
	<b>First Named Inventor</b>	Andrews
	<b>Art Unit</b>	
	<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	02510	
<b>Total Number of Pages in This Submission</b>	38	

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
<b>Remarks</b> 5 references identified as nos. 10-14 on the Information Disclosure Statement Return receipt postcard		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

<b>Firm or Individual</b>	Nora M. Tocups
<b>Signature</b>	<i>Nora M. Tocups</i>
<b>Date</b>	March 30, 2004

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <u>March 30, 2004</u>			
<b>Typed or printed</b>	Nora M. Tocups		
<b>Signature</b>	<i>Nora M. Tocups</i>	<b>Date</b>	March 30, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrews

Serial No.: 10/738,370

Examiner: Not Assigned

Filed: 12/15/03

Group Art Unit: 2643

For: METHODS AND SYSTEMS OF SPAN DESIGN

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VA 22313-1450

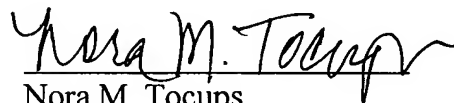
---

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

The citation of information on the attached Form PTO/SB/08, is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. Of the references cited, only reference nos. 10-14 are enclosed. The undersigned does not concede any of the identified materials constitute prior art within the meaning of the United States patent laws. This Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits; therefore, no payment is enclosed.

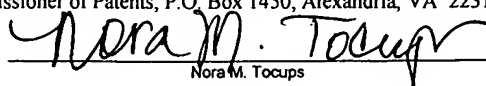
Respectfully submitted,

  
Nora M. Tocups  
Reg. No. 35,717

Law Offices of Nora M. Tocups  
140 Pinecrest Avenue  
Decatur, Georgia 30030  
404.372.1430  
Attorney Docket No. 02510  
ntocups@bellsouth.net

CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this correspondence, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on March 30, 2004 with sufficient postage as first-class mail in an envelope addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Nora M. Tocups



PTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<b>Substitute for Form 1449/A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		<b>Application Number</b>	<b>10/738,370</b>		
		<b>Filing Date</b>	<b>December 15, 2003</b>		
		<b>First Named Inventor</b>	<b>Andrews</b>		
		<b>Group Art Unit</b>			
		<b>Examiner Name</b>			
<b>Sheet</b>	<b>1</b>	<b>of</b>	<b>2</b>	<b>Attorney Docket Number</b>	<b>0201-02510</b>

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	1	6,459,702		Saaverda	10/01/2002	
	2	6,343,332		Ueda	01/29/2002	
	3	6,091,713		Lochleider et al.	07/18/2000	
	4	6,084,946		Beierle	07/04/2000	
	5	6,085,956		Beierle	07/04/2000	
	6	5,978,449		Needle	11/02/1999	
	7	5,864,602		Needle	01/26/1999	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	8		WO 95/31865		British Telecommunications Public Limited Company	11/23/1995		
	9		WO 97/19543		Voelker Technologies, Inc.	05/29/1997		

<b>Examiner Signature</b>		<b>Date Considered</b>	
-------------------------------	--	----------------------------	--

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/738,370
		Filing Date	December 15, 2003
		First Named Inventor	Andrews
		Group Art Unit	
		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	10	"HEDLUND, E. et al., "DSL Loop Test," <i>Telephony</i> , August 24, 1998 (XP02147002)	
	11	"ADSL Tutorial – Twisted Pair Access to the Information Highway," <a href="http://indy.ids.net/adsl/tutorial.html">http://indy.ids.net/adsl/tutorial.html</a>	
	12	"Extending Asymmetric Digital Subscriber Line (ADSL) Services to Remote Digital Loop Carrier (DLC) Locations," <i>The International Engineering Consortium</i> , Web ProForum Tutorials <a href="http://www.iecorg.com">http://www.iecorg.com</a> , pp.1-19	
	13	"General Introduction to Copper Access Technologies," <i>ADSL Forum</i> , 1998 ( <a href="http://www.adsl.com/general_tutorial.html">http://www.adsl.com/general_tutorial.html</a> )	
	14	"Making Connection Using ADSL," <a href="http://www.epl.co.uk/fastlane.htm">http://www.epl.co.uk/fastlane.htm</a> , printed 6/15/00	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.